Water in this Territory.

THE ARIZONA REPUBLICAN.

The REPUBLICAN has double the circulation of any other daily newspaper in Arizona, and is the only one issued every day in the year.

Preferred Locals 10 cents per line first insertion, and 5 cents per line each subsequent

All Contracts and bills for advertising pay able monthly.

NEW WEALTH FROM IRRIGATION. How Alkali Lands Can Be Reclaimed and

Made Useful. From the San Francisco Bulletin

The subject of irrigation is called up afresh by reports received by the Agri- quired (more or less) for the three months com cultural Department at Washington. Some of these refer to investigations concerning underground rivers. Professor Hilgard is quoted as saying that "the underflow of great gravel beds existing in the southern part of California is proving to be of increasing impornce as a source of irrigation supply. It is possible to maintain and increase the supply of water far beyond its present magnitude. All that is necessary is to understand the controlling principle

of its action. "These gravel beds are natural storage reservoirs. They may be emptied and replenished with due regard to the rain-fall and drainage." Accounts are also published concerning operations which, according to the reports, "it is believed will result in the reclamation of the entire Antelope Valley and even of the Mojave Desert." It has been demonstrated that water is alone needed in what are called desert parts of this State to make the arid lands "blossom as the Even lands whitened by alkali and thickly impregnated with it have not proved intractable.

The experiments of Dr. Sketchley, ostrich grower, may be recalled. He found a flowing well, led the water upon the adjacent soil, and having drawn much alkali to the surface, turned the water off. This process being several times repeated, the surface soil was found to be cleansed and thrifty and abundant crops were grown on a seem-ingly unpromising desert.

Irrigation on a great scale will ultimately be a powerful agency in filling up the dryer portions of Southern California and adjacent territory with an industrious population. The lands now useless should cost the future owners only the actual expense of providing the water necessary to make them fertile. The climatic conditions and ascertained capabilities of the soil are such as to insure individual success to many thousands of industrious farmers. A variety of crops, other than the choice fruits for which that region is especially adapted, may be grown successfully in this new Egypt of the Western World.

The Coming Metal. From the Salt Lake Tribune.

Mr. Conrad, the general agent for the Studebaker Brothers, has a unique little advertisement of the firm in the form of a stamped aluminum medal. It is about the size of the half dollar, but only weighs as much as a dime. This little medal sets one to thinking. The material was discovered in 1828; it remained merely a cabinet or laboratory curiosity for thirty years. In 1858 it became a scarce article of commerce, worth probably \$4 per ounce. Now the processes have been improved until it an be obtained at \$2 per pound. Well, it can be drawn out as fine as gold, drawn into wires or rolled into sheets; it is only two and a half times as heavy as water; it is four times lighter than silver; it will not tarnish under many things which will tarnish silver; it three times stronger than steel. It is believed that it will speedily become cheaper, inasmuch as all the clays of the earth are surcharged with it, and all that is required to make the metal more plenty than iron is a cheaper process for separating it. But at the pres-ent price it would not, properly rolled, greatly exceed the cost of tin or iron greatly exceed the cost of tin or iron or shingles for roofing. This fact sets the imagination at work, and it pictures cities built, within the next fifty years, out of a material as beautiful as polished silver and not so prone to tarnish as silver. Not only the outside, but the inside can be roade of it, and with the house the made of it, and with the house the frames for the furniture, the range in the kitchen, the cooking utensils, etc. There has been a stone age, an iron age and an age of gold, but the next one is to be the aluminum age, and under it the earth will glitter like the clear streams that babble along the clear streets in the "City of Light." It springs

Death of J. T. Bayard.

from the brain of man.

radiant from the expressionless clay

even as a master thought leaps glorious

SAN ANTONIO, December 13 .- J. T. Bayard, the mysterious hermit of Kendall County, Texas, died yesterday. He has been a resident of that section for fifty years. He claimed he was a brother of ex-Secretary Bayard.

THE MARKETS.

NEW YORK, December 13. - Money on call, easy, at the close offered at 3. Prime mercantile paper, 71/2 per cent. Sterling exchange, quiet and steady. Sixty-day bills, \$1.78; demand.\$4.83. Bar silver, \$1.94. Copper, nominal Lake, December, \$15.15. Lead, steady; domestic, \$1.015. Tin, steady; Straits, \$21.00.

LONDON, December 13.—Bar silver, \$85.40 per

Money, 234 per cent. New York, December 13.—Closing quotations f mining stocks today were as follows: Horn Silver

onsolidated California and Virginia Iomestake

CHICAGO, December 13. - Cattle - Receipts, 2000. The market steady. Prime Christmas steers, \$5.00@5.50; common steers, \$5.00@4.90;

Texaus, \$2.80.

Hogs—Receipts, 28,000. The market was dull and lower. Hough and common light mixed, \$1.2563.40; good to choice and mixed sakers, \$1.3563.60; prime heavy and butchers' weights, \$3.6563.75; light, \$3.5063.60.

Sheep—Receipts, 1000. The market was quiet. Natives, \$3.50; Westerns, \$3.9564.15; Texaus, \$3.9663.55.

Wheat—Only a light business transacted. The opening was a shade stronger, eased off \$\lambda 0 \textstyle 2 \textstyle c, advanced ie, ruled weak under larger offerings, declining 1\textstyle e. ruled steadiler and closed about the same as yesterday. Receipts, 425,000; shipments, 434,000.

Rye-Quiet; 68c. Barley-Nominal; 68@70c.

Shoulders—\$4.50@4.60; short clear, \$5.50@5.35; short ribs, \$2.90@2.95.
SAN PRANCISCO.
SAN FRANCISCO, December 13.— Closing quo-
tations on stock market were as follows:
Best & Belcher
Chollar2 35
Crocker 15
Consolidated California and Virginia2 90
Confidence
Gould & Curry
Hale & Norcross 1 45
Peer 15
Peerless 20
Potosi
Ophir3 40
Sierra Nevada
Union Consolidated
Yellow Jacket
Wheat-Quiet and steady. Buyer season,
\$1.41%; buyer '90, \$1.30%.
Barley-Weak, Buyer season, \$1.50; buyer
'90, \$1.46.
Corn. \$1.20

PROPOSALS

THE INSANE ASYSUM OF ARIZONA.

OF THE BOARD OF DIRECTORS
OF THE INSANE ASYLUM OF ARIZONA.
PHOENIX, Ariz., Decomber 3, 1890.

EALED PROPOSALS WILL BE RECEIVED ntil 10 o'clock, a. m. of Monday, January 5, 891, by the Board of Directors of the Insanc Asylum of Arizona, at their office in the City of Phonix, A. T., at which time and place bids will be opened in the presence of bidders for furnishing the following-named supplies to the Insane Asylum in such quantities as may be remencing January 1, 1891, and ending March 31, 1891; all supplies to be delivered at the Asylum

In Separate Bids.

6000 pounds fresh beef. 800 pounds fresh mutton 800 pounds fresh pork.

7000 pounds flour, best quality. 3500 pounds potatoes.

2000 pounds sweet potatoes 1000 pounds onlons. 6000 pounds barley.

1000 pounds bran. 60 cords wood. 600 pounds sugar, granulated. 600 pounds sugar, Golden C.

400 pounds coffee, Costa Rica, best, 400 pounds ham (subject to weight when de

400 pounds breakfast bacon (subject to weight when delivered) 300 pounds oatmeal.

500 pounds corn meal. 300 pounds hominy 100 pounds graham flour.

300 pounds lard. 150 pounds dried apples, Alden 150 pounds dried peaches, peeled. 200 pounds dried peaches, unpecled.

150 pounds apricots 150 pounds prunes. 45 gallons syrup. 30 gallons vinegar, best

300 pounds rice, Carolina, 300 pounds salt, table. 200 pounds salt, coarse. 500 pounds beans, pink, 100 pounds beaus, white,

40 pounds tea, Japan. 30 pounds cheese, American. 30 pounds baking powder, Royal. 8 pounds pepper, black, ground,

30 pounds corn starch. 150 pounds codfish, boneless 30 pounds pearl barley. 40 pounds split peas. 25 pounds seedless raisins.

3 cases tomatoes, gallon,

24 cans fresh oysters

6 cases corn, Winslow's, 3 cases pie fruit, assorted 3 cases table fruit, assorted. 3 boxes crackers, sods, 10 pound boxes. 3 kegs pickles, 10 gallon kegs.

9 cases coal gil. 2 boxes candles. 6 boxes maccaroni, 12 pound boxes. 6 boxes vermicelli.

24 cans salmon, 1 pound cans.

24 cans sardines, 1/2 pound cans. Sundries. 45 pounds tobacco, plug, Climax.

10 pounds tobacco, Durham, smoking, 2-c sacks. 25 pounds concentrated lye, in 1 pound tins, 3 dozen brooms, best quality,

1 dozen mors, complete. 1 dozen Sapolio, cakes, 1 dozen blueing, in pints. 5 pounds hops, fresh.

30 pounds laundry starch 15 pounds toilet soap. 100 pounds sal soda. 60 pounds chloride of lime.

3 dozen boxes matches, safety. 400 pounds laundry soap. 6 dozen pairs overalls, riveted, assorted sizes 6 dozen shirts, hickory, assorted sizes.

4 dozen shirts, woolen, assorted sizes. 2 dozen hats, men's, felt, assorted sizes. 5 dozen pairs hose, men's, woolen, assorted

2 dozen pairs hose, ladies', woolen, assorted sizes. 6 dozen pairs half hose, men's, cotton, assorte

2 dozen pairs half hose, ladies', cotton, as 6 dozen pairs brogans, assorted sizes

1 dozen pairs ladies shoes, assorted sizes. 6 dozen pairs slippers, leather, assorted sizes. 4 dozen thread, cotton, Coats', white, assorted, Nos.

4 dozen thread, linen, Barbonr's, black and white, assorted Nos. 100 yards sheeting, unbleached, best quality.

100 yards toweling, crash, XX. 150 yards calico, assorted patterns. 100 yards muslin, bleached, 1 yard wide.

100 yards muslin, unbleached, I yard wide. 1 bolt fiannel, dark blue. 1 dozen pillows, hair.

50 yards enameled cloth for table. 2 dozen spreads for single bed. 4 dozen suspenders.

The supplies must be of best quality and subject to the inspection and approval of the Superintendent of the Asylum and must be de livered as required. Payments will be made as provided by law. Samples of clothing, shoes, hats and dry goods must accompany bids.

The successful bidder must be prepared to enter into contract with the Board of Director of said Asylum and give bond in such amount as may be required and approved by the Board

Quality and price being equal, preference will be given to the products of the Territory of Ari-

Proposals must have a copy of this advertise ment attached thereto and be addressed to C. H. Knapp, Secretary of the Board of Directors of the Insane Asylum of Arizona, and be en-35; dorsed: "Proposals for furnishing supplies to

the Insane Asylum of Arizona." The Board reserves the right to reject any and all bids or to accept any portion of the articles offered in any bid.

By order of the Board.

C. H. KNAPP, Secretary. THE BEST KNOWN REMEDY "H.G.C." Cures Gonorhees and Gleet in 1 to 5 Days, without Pain. Prevents Stricture. Centains ne acrid or poisonens substances, and is guaranteed absolutely harmiess. prescribed by physicians. Heat Syrings free with each bottle. Price \$1 Sold by druggists. Beware of Substitutes. Acme Chem.Co.Ltd ,N.O.La For Sale by People's Drug Store, Phonix, A. T.

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T HAVE RECENTLY TAKEN CHARGE OF the Stage Station at Riverside, and will furnish first-class meals at all hours to the traveline those wishing to remain over night.

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Florence and Globe Stage Line

STAGE LEAVES FLORENCE DAILY ON AR-rival of Casa Grande stage for Riverside and Globe. Leaves Globe daily at 8 a. m. for River-side and Florence.

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